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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Entire application of) "INVERTER CIRCUITS"
Ole K. Nilssen) ANGUP 210
Serial No. 06/178,107) Examiner: T. Beha
Filed: August 14, 1980) Group Art Unit 212

AMENDMENT C-SUPPLEMENTAL

Honorable Commissioner of
Patents and Trademarks
Washington, D.C. 20231

Dear Sir:

In further response to the Office Action dated August 4, 1981, supplemental to Amendment B, mailed December 30, 1981, please amend the claims as follows:

IN THE CLAIMS:

Please cancel in their entirety claims 56-85 added by Amendment B, without prejudice, and substitute therefor the following claims 86-115: cancel

86. In a ballasting circuit (for a gas discharge lamp) said ballasting circuit comprising an inverter (adapted to be powered) from a source of DC voltage and to provide a substantially square-wave voltage across a pair of output terminals, the improvement comprising:

a series-combination of an inductor and a capacitor connected across said pair of output terminals;

means (for connecting said gas discharge lamp in parallel circuit with said capacitor); and

means for operating the inverter at a frequency that is independent of the natural resonant frequency of the series-combination of said inductor and capacitor.

87. The ballasting circuit of Claim 86 in which the inversion frequency of said inverter is higher than the natural resonant frequency of said series-combination of an inductor and a capacitor.